

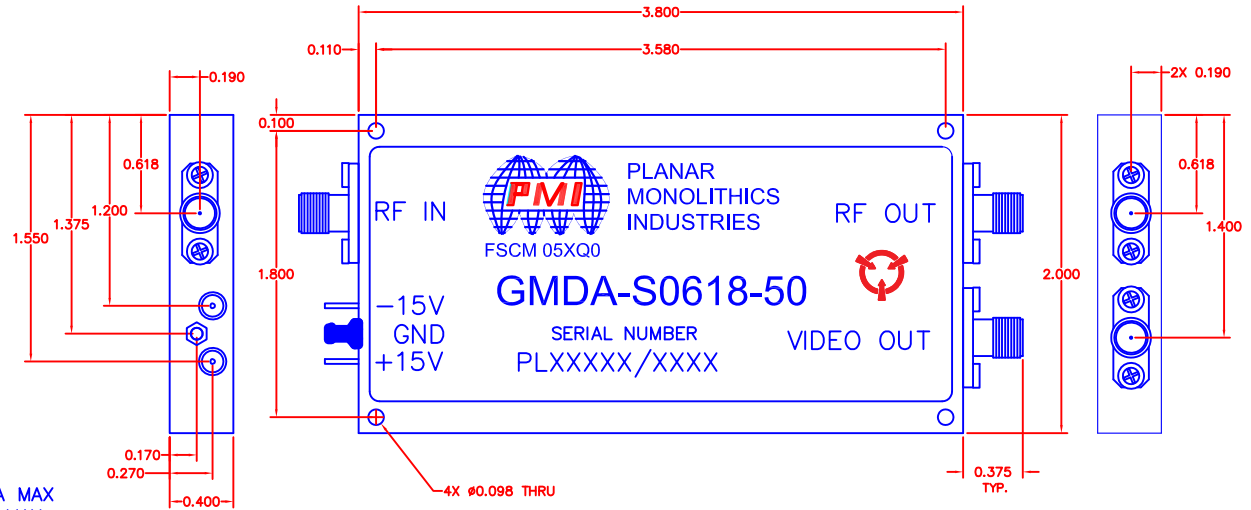
**DESCRIPTION:**

PMI MODEL NO. SDLVA-S0618-50 IS A 6.0 TO 18.0 GHZ HIGH SPEED SLDVA WITH A LOGGING RANGE OF -60 TO -10 DBM, A TSS OF -65 DBM, RISE TIME OF 10 NS, RECOVERY TIME OF 50 NS, A PROPAGATION DELAY OF LESS THAT 25 NS AND A LIMITED RF OUTPUT OF +12DBM +/- 2.0DB. THE DESIGN UTILIZES STATE OF THE ART TECHNOLOGIES TO BRING YOU THE BEST PERFORMANCE AND RELIABILITY.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	09-19-19	

**SPECIFICATIONS:**

- FREQUENCY: . . . . . 6.0 GHz TO 18.0 GHz
- LOGGING DYNAMIC RANGE: . . . . . -60dBm TO -10dBm
- LOGGING ACCURACY: . . . . . ±3.0dB MAX (SEE NOTE)
- LOG SLOPE: . . . . . 25mV/dB NOMINAL
- VIDEO RISE TIME . . . . . 10ns
- RECOVERY TIME . . . . . 50ns
- TSS: . . . . . -65dBm
- DC OFFSET . . . . . ±150mV TYP
- PROPAGATION DELAY . . . . . <25ns (RF TO VIDEO)
- VIDEO OUTPUT DRIVE: . . . . . 50 Ohms (SEE NOTE)
- INPUT VSWR . . . . . 2.5:1 MAX
- MAX INPUT LEVEL . . . . . +20dBm CW
- LIMITED RF OUTPUT . . . . . +12dBm ±2.0dB TYP
- POWER SUPPLY . . . . . +12 TO +15VDC @ 700mA MAX  
-12 TO -15VDC @ 80mA MAX
- FINISH . . . . . NICKEL PLATE (AMS 2404)
- COOLING . . . . . CONDUCTION COOLING AT MOUNTING SURFACE



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE . . . . . -55°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
  - HUMIDITY: . . . . . MIL-STD-202F, METHOD 103B COND. B
  - SHOCK: . . . . . MIL-STD-202F, METHOD 213B COND. B
  - VIBRATION . . . . . MIL-STD-202F, METHOD 204D COND. B
  - ALTITUDE: . . . . . MIL-STD-202F, METHOD 105C COND. B
  - TEMPERATURE CYCLE: . . . . . MIL-STD-202F, METHOD 107 COND. A
- NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

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 ISO 9001 CERTIFIED



ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES: X.XX ±0.010  
 X.XXX ±0.005  
 UNLESS OTHERWISE SPECIFIED

APPROVALS		DATE	TITLE			
DRAWN	Edd	09/19/19	PRODUCT FEATURE GMDA-S0618-50			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 1